

IN THE ABSTRACT

A device is disclosed for An edge-machining device in particular plastic spectacle lenses (L) with has two aligned holding shafts (14, 16) rotatable with a controlled angle of rotation (φ_B) about a rotational axis of a workpiece (B) between which the lens may be clamped and a tool spindle (12) by means of which rotationally drives a combination tool (10) may be driven rotationally about a rotational axis of a tool (C) running parallel to the rotational axis of the workpiece. The holding shafts and the tool spindle may be moved with position control towards each other in a first axial direction (X) and optionally parallel to each other in a second axial directions (Z) perpendicular to the first axial direction. According to the invention, for a turning machining of the edge (R) of the lens, the The combination tool can be swivelled with a controlled angle of rotation (φ_C) about the rotational axis of the tool by means of the tool spindle so that a turning lathe tool (36) provided on the combination tool may be brought into a defined turning lathe machining engagement with the edge of the lens. The invention also comprises a combined milling and turning lathe tool and a combined milling and turning machining method. As a result, the edge of the lens may be machined very flexibly, quickly and with a high machining quality.

(Fig. 2)